

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2817)
In re Application of:) **VOLTAGE TUNABLE COPLANAR**
ANDREY KOZYREV ET AL.) **PHASE SHIFTERS**
Serial No.: 09/644,019) Attorney Docket No. 283014-00008-1
Filed: August 22, 2000)

INFORMATION DISCLOSURE STATEMENT

February 1, 2001

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to the provisions of 37 CFR Sections 1.56, 1.97 and 1.98, Applicants submit herewith copies of the prior art documents cited on the attached Form PTO/SB/08A for consideration during prosecution of the subject Application.

This Statement is filed solely for the purpose of complying with the pertinent rules of the Office and is not intended to be a substitute for an independent evaluation by the Examiner of the art cited or an independent search by the Examiner, and no representation of any nature is made or intended by the filing of this Statement.

In addition to the art cited on Form PTO/SB/08A, Applicants and/or their attorneys may have been exposed to or considered additional art relating to the general class of the subject matter of the invention. However, if in fact such exposure or consideration has occurred, to the best of their recall or judgment, none of such art is prior art which is more relevant than the art cited.

Respectfully submitted,

Robert P. Lenart

Robert P. Lenart
Registration No. 30,654
Eckert Seamans Cherin & Mellott, LLC
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Attorney for Applicants

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	09/644,019
Filing Date	August 22, 2000
First Named Inventor	Andrey Kozyrev
Group Art Unit	2817
Examiner Name	N/A
Attorney Docket Number	283014-00008-1

Sheet	1	of	2
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,032,805		Elmer et al.	7/16/1991	
		5,079,557		Hopwood et al.	1/7/1992	
		5,212,463		Babbitt et al.	5/18/1993	
		5,218,358		Harrington et al.	6/8/1993	
		5,307,033		Koscica et al.	4/26/1994	
		5,312,790		Sengupta et al.	5/17/1994	
		5,355,104		Wolfson et al.	10/11/1994	
		5,427,988		Sengupta et al.	6/27/1995	
		5,451,567		Das	9/19/1995	
		5,472,935		Yandrofski et al.	12/5/1995	
		5,479,139		Koscica et al.	12/26/1995	
		5,486,491		Sengupta et al.	1/23/1996	
		5,504,059		Higaki et al.	4/2/1996	
		5,557,286		Varadan et al.	9/17/1996	
		5,561,407		Koscica et al.	10/1/1996	
		5,589,845		Yandrofski et al.	12/31/1996	
		5,610,563		Mohwinkel	3/11/1997	
		5,617,103		Koscica et al.	4/1/1997	
		5,635,433		Sengupta	6/3/1997	
		5,635,434		Sengupta	6/3/1997	

[illegible]

**Examiner
Signature**

Date	
Considered	

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

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[illegible]

Examiner Signature		Date Considered	
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Group Art Unit: 2817)
In re Application of:) VOLTAGE TUNABLE COPLANAR
ANDREY KOZYREV ET AL.) PHASE SHIFTERS
Serial No.: 09/644,019) Attorney Docket No. 283014-00008-1
Filed: August 22, 2000)

COPY

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

May 23, 2001

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to the provisions of 37 CFR Sections 1.56, 1.97 and 1.98, Applicants submit herewith copies of the prior art documents cited on the attached Forms PTO/SB/08A and PTO/SB/08B for consideration during prosecution of the subject Application.

This Statement is filed solely for the purpose of complying with the pertinent rules of the Office and is not intended to be a substitute for an independent evaluation by the Examiner of the art cited or an independent search by the Examiner, and no representation of any nature is made or intended by the filing of this Statement.

In addition to the art cited on Forms PTO/SB/08A and PTO/SB/08B, Applicants and/or their attorneys may have been exposed to or considered additional art relating to the general class of the subject matter of the invention. However, if, in fact, such exposure or consideration has occurred, to the best of their recall or judgment, none of such art is prior art which is more relevant than the art cited.

In accordance with 37 C.F.R. § 1.97(b)(3), it is believed that this Statement is being filed before the mailing date of a first Office Action on the merits and, therefore, it is anticipated that no fee should be required for its consideration.

Respectfully submitted,

Robert P. Lenart

Robert P. Lenart
Registration No. 30,654
Eckert Seamans Cherin & Mellott, LLC
600 Grant Street, 44th Floor
Pittsburgh, PA 15219
Attorney for Applicants

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Complete if Known

Application Number	09/644,019
Filing Date	August 22, 2000
First Named Inventor	Andr y Kozyrev
Group Art Unit	2817
Examiner Name	N/A
Attorney Docket Number	283014-00008-1

(use as many sheets as necessary)

Sheet	1	of	1
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[illegible][illegible]

Date	
Considered	

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/644,019
				Filing Date	August 22, 2000
				First Named Inventor	Andrey Kozyrev
				Group Art Unit	2817
				Examiner Name	N/A
				Attorney Docket Number	283014-00008-1
Sheet	1	of	1		

[illegible]

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrey Kozyrev et al.) Group No. Not Assigned
Serial No.: Not Assigned) Examiner: Not Assigned
Filed: August 22, 2003
For: **VOLTAGE TUNABLE COPLANAR PHASE SHIFTERS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY EXPRESS MAIL	
"EXPRESS MAIL" Mailing Label No. <u>EU438351400US</u>	
Date of Deposit: <u>August 22, 2003</u>	
I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 (M/S Patent Application)	
Type or Print Name	<u>William J. Tucker</u>
Signature	

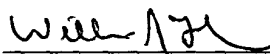
Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Herewith are Form PTO-1449 and one copy of each document listed thereon (except for patent applications). Attention is also directed to any item(s) designated below:

- _____ 1. A check is enclosed to cover the fee set forth in 37 CFR 1.17(p). Any additional fee required by this paper may be charged to Deposit Account No. 50-1481.
- _____ 2. The undersigned certifies that each enclosed document was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Information Disclosure Statement.
- _____ 3. The relevance of any enclosed non-English language document(s) is concisely explained as follows.

Respectfully submitted,



William J. Tucker
Reg. No. 41,356

8650 Southwestern Blvd. #2825
Dallas, Texas 75206-2688
214/368-4978
CUSTOMER NO. 27512

Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Patent Department of Commerce Patent and Trademark Office				Docket No.: WJT08-0005D1		Serial No.: N/A	
				Applicant: Andrey Kozyrev et al.			
				Filing Date: August 22, 2003		Group: N/A	

U.S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	A-1	5,427,988	Jun. 27, 1995	Sengupta et al.	501	137
	A-2	5,593,495	Jan. 14, 1997	Masuda et al.	117	4
	A-3	5,640,042	Jun. 17, 1997	Koscica et al.	257	595
	A-4	5,886,867	Mar. 23, 1999	Chivukula et al.	361	311
	A-5	5,990,766	Nov. 23, 1999	Zhang et al.	333	205
	A-6	6,074,971	Jun. 13, 2000	Chiu et al.	501	139
	A-7					
	A-8					
	A-9					
	A-10					

OTHER DOCUMENTS		
Examiner Initials		Author, Title, Date, Pertinent Pages, Etc.
	C-1	
	C-2	
	C-3	

Date Examined:	Examiner:
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